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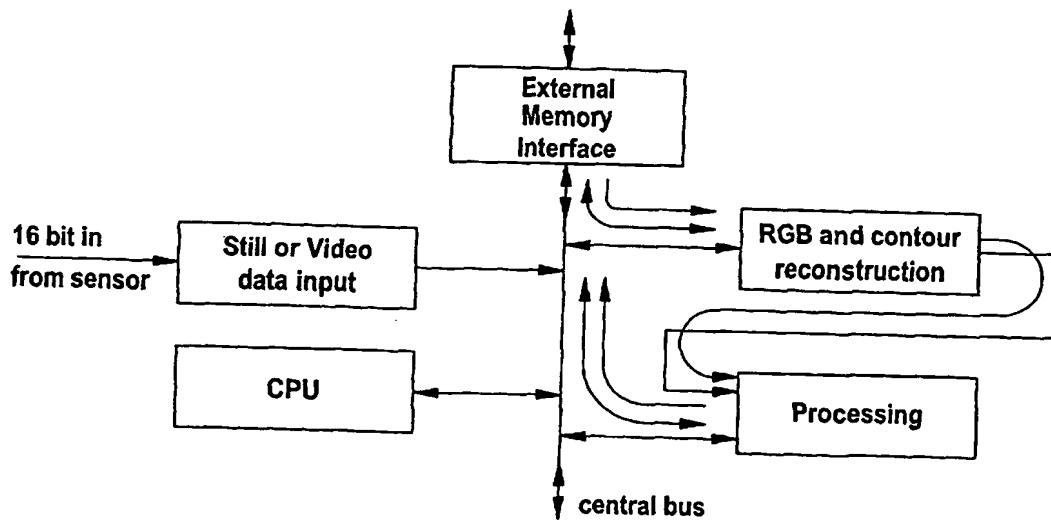
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(54) Title: METHOD AND APPARATUS FOR SIGNAL PROCESSING, COMPUTER PROGRAM PRODUCT, COMPUTING SYSTEM AND CAMERA



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(57) Abstract: A reconstruction method based on a white-compensated luminancereconstruction and using filter weights referred to as smartgreen-parameters is proposed. An aliasing free luminance signal, even at the multiples of the sample frequency and in case of a camera without optical low pass filter is achieved. Moreover this white-compensated luminance-signal is free of signal distortion. The proposed method allows a suitable low pass filter to be added or combined and is particular well suited to implement a variety of abasing free color- and contour-filters. The RGB color signals are reconstructed using filter weights which can be chosen as a function of the heaviness of the sensor matrix and of the optical transfer of the camera.